| Index of Claims | ' ' |
|-----------------|--------|
| | 1 E |
| | P |

| Application/Control No. | Applicant(s)/Patent under Reexamination | |
|-------------------------|---|--|
| 10/701,207 | DIAZ ET AL. | |
| Examiner | Art Unit | |
| Phillip Gray | 3767 | |

| , | Rejected | _ | (Through numeral) Cancelled | N | N |
|---|----------|---|--------------------------------|---|----|
| = | Allowed | + | Restricted | _ | ln |

| 1 | Non-Elected | A | Appeal |
|---|--------------|---|----------|
| | Interference | 0 | Objected |

| Cla | aim | Γ | | | | Date | | | | | [| Cla | aim | Ι | | | | ate | | | | \neg | ٢ | Cla | aim | | | | | ate |
|----------|----------|----------|--------------|--|----------|--|----------|----------|----------|---|----------|-------|----------|----------------|----------|----------|----------|----------|-------------|----------|----------|----------|-----|-------|------------|---------|----------|----------|----------|-----|
| Final | Original | 6/20/06 | | | | | | | | | | Final | Original | 6/20/06 | | | | | | | | | | Final | Original | 6/20/06 | | | | |
| | 1 | 1 | \vdash | | | <u> </u> | | ┢ | \vdash | | | | 51 | - | П | | | ┪ | \neg | \neg | | \neg | t | | 101 | - | \Box | ヿ | _ | _ |
| | 2 | 1 | | | | | | | М | | Ì | | 52 | - | | | | | | | T | ╗ | ı | | 102 | - | | | 寸 | |
| | 3 | 1 | \Box | | | | | | | | | | 53 | - | | | | | | | | | Ī | | 103 | • | | コ | | |
| | 4 | 1 | | | | | | | | | | | 54 | - | | | | | | | | | | | 104 | - | | | | |
| | 5 | 1 | | | | | | | | | | | 55 | - | | | | | | | | | | | 105 | • | | | | |
| | 6 | 1 | | | | | | | | | | | 56 | - | | | | | | | | | | | 106 | | | | | |
| | 7 | 1 | | | | | | | | | | | 57 | - | | | Ш | | | | _ | _ | L | | 107 | - | Ш | | | |
| | 8 | 1 | L | | | <u> </u> | | L | | | | | 58 | - | | | | | | | _ | | L | | 108 | - | Ц | _ | | |
| <u></u> | 9 | 1 | | į | | | | _ | Ш | | | | 59 | <u> -</u> | | | | | | | _ | _ | L | | 109 | - | \Box | \dashv | 4 | |
| <u></u> | 10 | 1 | | | | _ | | <u> </u> | | | | | 60 | <u> -</u> | | Ш | | | | | _ | 4 | Ļ | | 110 | · | \sqcup | _ | _ | |
| L | 11 | 1 | | | | _ | | <u> </u> | Щ | | | | 61 | <u> -</u> | | _ | \Box | | | | _ | _ | Ļ | | 111 | Ŀ | | _ | _ | |
| <u></u> | 12 | 1 | L | | | _ | | ╙ | | | | | 62 | Ŀ | | | | _ | | | _ | _ | ŀ | | 112 | - | \vdash | _ | - | |
| <u> </u> | 13 | 1 | _ | | | _ | | <u> </u> | | | | | 63 | <u> -</u> | | <u> </u> | | | Н | _ | _ | | L | | 113 | - | Н | - | - | |
| <u></u> | 14 | V | | | | <u> </u> | | <u> </u> | _ | | | | 64 | Ŀ | | _ | - | | Н | | - | 4 | F | | 114 | Ŀ | \vdash | - | - | _ |
| | 15 | 1 | _ | | | <u> </u> | | <u> </u> | Ш | | | | 65 | - | | Н | | _ | - | \dashv | | | ŀ | | 115 | Ŀ | \vdash | - | - | _ |
| <u> </u> | 16 | 1 | <u> </u> | | | <u> </u> | | <u> </u> | | | } | | 66 | - | <u> </u> | H | - | - | | | | 4 | ┝ | | 116 | - | | | \dashv | _ |
| <u> </u> | 17 | 1 | ┡ | _ | _ | _ | _ | _ | - | | | | 67 | - | | H | \vdash | | _ | \dashv | - | -{ | - | | 117 | - | - | | \dashv | _ |
| - | 18 | 1 | H | - | | | Ь. | <u> </u> | _ | | | | 68 | Ŀ | - | - | \vdash | - | \dashv | \dashv | \dashv | \dashv | ╁ | | 118 | Ŀ | \vdash | | | |
| - | 19 | 1 | | _ | | - | - | - | \vdash | | | | 69 70 | - | _ | ⊢ | Н | - | \vdash | \dashv | - | \dashv | ŀ | | 119 120 | - | H | \dashv | - | |
| <u> </u> | 20 | Ŀ | | \vdash | _ | _ | ├ | - | \vdash | _ | | | 71 | - | _ | - | Н | | | \vdash | | \dashv | ŀ | | 121 | - | Н | \dashv | \dashv | _ |
| <u> </u> | 21 | ŀ | ├ | <u> </u> | _ | <u> </u> | ⊢ | - | <u> </u> | _ | | | 72 | - | - | - | Н | | Н | Н | - | \dashv | - | | 122 | - | \vdash | \dashv | \dashv | _ |
| <u> </u> | 23 | + | | | | \vdash | ⊢ | \vdash | - | | | | 73 | - | - | _ | - | | \vdash | \dashv | | \dashv | H | | 123 | - | Н | | \dashv | _ |
| | 24 | _ | - | | | ┢ | ⊢ | ⊢ | ┝ | | | | 74 | - | H | \vdash | - | | \vdash | \dashv | - | \dashv | ŀ | - | 124 | - | Н | | \dashv | _ |
| - | 25 | <u>-</u> | | _ | | - | ⊢ | ⊢ | | | { | | 75 | | - | \vdash | | | | \dashv | _ | \dashv | ŀ | | 125 | - | Н | | \dashv | |
| | 26 | - | - | - | _ | | ⊢ | ⊢ | - | | { | | 76 | - | - | ├─ | \dashv | | - | \dashv | - | \dashv | ŀ | | 126 | - | Н | | - | |
| | 27 | - | - | | - | ┝ | ⊢ | ⊢ | - | | | | 77 | Ė | ├ | \vdash | Н | - | Н | \vdash | | \dashv | ╌ | | 127 | - | Н | - | -1 | |
| | 28 | ŀ | - | | | ┝ | ├ | - | \vdash | | | | 78 | + | - | ⊢ | - | | \vdash | \vdash | _ | - | ŀ | | 128 | - | Н | \vdash | \dashv | _ |
| - | 29 | - | - | - | | | H | _ | ┢ | | 1 | | 79 | H | - | | - | - | - | \vdash | | \dashv | ŀ | | 129 | - | Н | \dashv | ᅥ | — |
| - | 30 | - | - | - | | | ├ | - | | _ | | | 80 | +- | - | H | _ | - | \vdash | \dashv | | \dashv | - | - | 130 | - | | | \dashv | |
| | 31 | Ė | - | \vdash | \vdash | ┢ | - | \vdash | \vdash | | 1 | | 81 | - | - | H | - | | \vdash | Н | | ┪ | - 1 | | 131 | - | Н | \dashv | ┪ | |
| | 32 | - | - | _ | | ┢ | _ | | Н | _ | | | 82 | - | - | - | - | | | \vdash | - | \neg | ŀ | | 132 | - | \vdash | | _ | _ |
| | 33 | - | - | _ | | ┢ | | \vdash | \vdash | | 1 | | 83 | + | - | | | \vdash | \vdash | | \neg | \dashv | ŀ | | 133 | - | Н | | _ | |
| \vdash | 34 | l÷ | \vdash | | \vdash | \vdash | \vdash | \vdash | | | | | 84 | +- | | | Н | Н | \vdash | \vdash | _ | \dashv | ı | | 134 | - | Н | | - | |
| | 35 | - | \vdash | \vdash | ┢ | \vdash | \vdash | | \vdash | | | | 85 | - | | - | | Н | Н | \vdash | | \neg | ı | | 135 | - | Н | \Box | 寸 | |
| | 36 | - | Г | | | Ι- | \vdash | T- | П | | | | 86 | ١. | Г | | П | П | П | \Box | | | ı | | 136 | - | П | | 寸 | _ |
| | 37 | - | Г | \vdash | П | | | Т | П | | | | 87 | - | | Г | | П | П | | | | ı | | 137 | - | П | | \dashv | |
| | 38 | - | Г | | | | | | | | | | 88 | ١- | \vdash | Г | | | | | | | ١ | | 138 | - | П | | \neg | |
| | 39 | ١. | | Г | П | _ | П | | Г | | | | 89 | - | | Г | | | | \Box | | | Ī | | 139 | - | П | | \neg | |
| | 40 | - | | | | | Г | Ι | | | | | 90 | - | | | | | | | | | Ī | | 140 | - | | | | _ |
| | 41 | ١- | Г | | | Г | П | | П | | | | 91 | 1- | Π | | | | | | | | ı | | 141 | - | | | | |
| | 42 | - | | | Γ | | | | | | | | 92 | - | | | | | | | | | | | 142 | - | | | | _ |
| | 43 | - | | | | | | | | |] [| | 93 | - | | | | | | | | | | | 143 | Ŀ | | | | |
| | 44 | Ι- | | | | | | | | | | | 94 | - | | | | | | | | | | | 144 | Ŀ | | | | _ |
| | 45 | Œ | | | | | | | | | | | 95 | Ē | | | | | | | | | | | 145 | Ŀ | | | \Box | _ |
| | 46 | Ŀ | | | | | | | | |] [| | 96 | Ŀ | | | | | Ĺ | | | | [| | 146 | Œ | | | | _ |
| | 47 | ŀ | | | | | | | | | | | 97 | Ŀ | | | | | | | | _] | [| | 147 | - | | | | |
| | 48 | Ŀ | | | | Ĺ | | | | |] [| | 98 | Ŀ | | 匚 | \Box | | L | Ш | | | | | 148 | Ŀ | Ш | | | |
| | 49 | Ŀ | | | سَّ | 匚 | 匚 | | L | | | | 99 | Ŀ | 匚 | 匚 | | | | | | \Box | | | 149 | Ŀ | Ш | Ш | | |
| 1 | 50 | - | _ | | _ | | | 1 | | | 1 [| | 100 | - | 1 | 1 | | | | ı 1 | | | - 1 | | 150 | - | | l | | |

| Rejected | | | Res | tricte | ed | Ph | Date | Gra N | No | n-Ele | ence | Claim | A 0 | 37 | 67 Ap Obj | ppe | al | | | |
|--|--|--|---|----------------------------------|---------|----------|---------|------------------------------|----------|-----------|----------|------------|-------------------|----------|-----------------|-----------|----------|---------|----------|-----------------|
| aim Date | | ÷ | Clain Clair | tricte | ed | | | N | No | | ence | Claim | | | Ap | | | | | |
| aim Date | | ÷ | Clain Clair | tricte | ed | al) | Date | ı | | | ence | Claim | | | | | | | | |
| aim Date | | ÷ | Clain | n reuibio O 201 202 203 | ed | | Date | Ш | Inte | erfere | F | Claim | 0 | | Obj | ec | ted | | | |
| Part | | | 2 2 2 2 2 2 2 2 | 201 202 203 204 | | | Date | e | | | | | - | | | | | | _ | |
| 151 - 152 - 153 - 154 - 155 - 156 - 157 - 158 - 159 - 160 - 161 - 162 - 163 - 164 - 165 - 166 - 167 - 168 - 169 - 170 - 171 - 172 - 173 - 174 - 175 - 176 - 177 - 178 - 179 \(180 \) \(181 \) \(181 \) \(183 \) \(183 \) \(184 \) \(183 \) \(184 \) \(185 \) \(183 \) \(184 \) \(185 \) \(183 \) \(184 \) \(185 \) \(185 \) \(186 \) \(186 \) \(187 \) \(188 \) \(1 | | | 2 2 2 | 201 202 203 204 | | | | | | | - | <u></u> | 1 1 | | | Da | ite | _ | | |
| 152 - 153 - 154 - 155 - 156 - 157 - 158 - 159 - 160 - 161 - 162 - 163 - 164 - 165 - 166 - 167 - 168 - 169 - 170 - 171 - 172 - 173 - 174 - 175 - 176 - 177 - 177 - 178 - 179 \forall 180 \forall 181 \forall 182 \forall 183 \forall 184 \forall 185 | | | 2 2 2 | 02 03 04 | + | | | | | | Final | Original | | | | | | | į | |
| 153 - 154 - 155 - 156 - 157 - 158 - 159 - 160 - 161 - 162 - 163 - 164 - 165 - 166 - 167 - 168 - 169 - 170 - 171 - 172 - 173 - 174 - 175 - 176 - 177 - 178 - 179 \forall 180 \forall 181 \forall 182 \forall 183 \forall 183 \forall 184 \forall 185 | | | 2 2 | 03 204 | | 1 1 | | | \top | \top | | 251 | $\dagger \dagger$ | Ť | \perp | \perp | | T | T | П |
| 154 | | | 2 | 04 | + | П | | П | \bot | П | | 252 | П | 4 | \Box | Ţ | \bot | Ţ | | |
| 155 - 156 - 157 - 158 - 159 - 160 - 161 - 162 - 163 - 164 - 165 - 166 - 167 - 168 - 169 - 170 - 171 - 172 - 173 - 174 - 175 - 176 - 177 - 178 - 179 \(180 \) \(181 \) \(181 \) \(183 \) \(183 \) \(184 \) \(185 \) | | | 2 | | + | - | + | $\vdash\vdash$ | + | + | | 253 254 | ╁┼ | _ | | + | + | ╀ | ╁ | Н |
| 156 - 157 - 158 - 159 - 160 - 161 - 162 - 163 - 164 - 165 - 166 - 167 - 168 - 169 - 170 - 171 - 172 - 173 - 174 - 175 - 176 - 177 - 178 - 179 \(180 \) \(181 \) \(181 \) \(183 \) \(183 \) \(184 \) \(185 \) | | | | 205 | + | \vdash | + | $\vdash \vdash$ | + | + | \vdash | 255 | | | ╁ | \dagger | +- | ╁ | \vdash | Н |
| 158 - 159 - 160 - 161 - 162 - 163 - 164 - 165 - 166 - 167 - 168 - 170 - 171 - 172 - 173 - 174 - 175 - 176 - 177 - 178 - 179 \[179 \] \ 180 \[\] \ 181 \[\] \ 182 \[\] \ 183 \[184 \] \ 185 | | L | | 206 | | | \perp | | | | | 256 | | | | | | | | |
| 159 - 160 - 161 - 162 - 163 - 164 - 165 - 166 - 167 - 168 - 169 - 170 - 171 - 172 - 173 - 174 - 175 - 176 - 177 - 178 - 179 \[\sqrt{170} \] 170 - 171 - 172 - 173 - 174 - 175 - 176 - 177 - 178 - 179 \[\sqrt{170} \] 180 \[\sqrt{181} \sqrt{182} \] 181 \[\sqrt{183} \] 184 \[\sqrt{184} \] | 丗 | | | 07 | - | Ц. | \perp | Ш | + | \square | <u> </u> | 257 | | 4 | - | \perp | + | _ | ┞ | Н |
| 160 - 161 - 162 - 163 - 164 - 165 - 166 - 167 - 168 - 170 - 171 - 172 - 173 - 174 - 175 - 176 - 177 - 177 - 178 - 179 \(\) 180 \(\) 181 \(\) 182 \(\) 183 \(\) 184 \(\) 185 | \rightarrow | | | 208 | + | ₩ | +- | \vdash | + | ++ | \vdash | 258 259 | + | \dashv | + | + | + | ╀ | \vdash | Н |
| 161 - 162 - 163 - 164 - 165 - 166 - 167 - 168 - 169 - 170 - 171 - 172 - 173 - 174 - 175 - 176 - 177 - 177 - 178 - 179 \(180 \) \(181 \) \(181 \) \(183 \) \(183 \) \(184 \) \(185 \) | | | | 10 | +- | | +- | \vdash | + | + | | 260 | + | \dashv | \top | \dagger | + | + | 十 | Н |
| 163 - 164 - 165 - 166 - 167 - 168 - 169 - 170 - 171 - 172 - 173 - 174 - 175 - 176 - 177 - 178 - 179 \(\) 180 \(\) 181 \(\) 182 \(\) 183 \(\) 184 \(\) 185 | | | 2 | 211 | | | | | | | | 261 | | | | 1 | | I | | |
| 164 - 165 - 166 - 167 - 168 - 169 - 170 - 171 - 172 - 173 - 174 - 175 - 176 - 177 - 178 - 179 \(\) 180 \(\) 181 \(\) 182 \(\) 183 \(\) 184 \(\) 185 | \dashv | | | 12 | - | Ц. | 4 | | - | + | | 262 | | - | - | + | | + | - | Н |
| 165 - 166 - 167 - 168 - 169 - 170 - 171 - 172 - 173 - 174 - 175 - 176 - 177 - 178 - 179 \(\frac{1}{170} \) \(\frac{1}{170} \ | $\dashv \dashv$ | | | 213 | + | - | + | \vdash | + | +- | - | 263 264 | | \dashv | - | + | + | ╁ | ╁ | Н |
| 167 | +++ | | | 15 | +- | | \top | П | + | + | | 265 | | \dashv | \top | \dagger | \top | 1 | | П |
| 168 - 169 - 170 - 171 - 172 - 173 - 174 - 175 - 176 - 177 - 178 - 179 \(180 \ | \Box | | | 16 | | | | П | | \Box | | 266 | | \Box | \Box | Ţ | | L | <u> </u> | |
| 169 | $\dashv \dashv$ | - | | 217 | | H | | \vdash | + | + | - | 267 268 | | \dashv | + | + | + | + | ╁ | Н |
| 170 - | + | | | 19 | + | \vdash | +- | ╂╌┨ | + | + | - | 269 | | + | + | + | + | + | \vdash | Н |
| 172 - 173 - 174 - 175 - 176 - 177 - 178 - 179 \(\frac{1}{180} \) \(\frac{1}{181} \) \(\frac{1}{183} \) \(\frac{1}{184} \) \(\frac{1}{185} \) | | | 2 | 220 | | | Ť | | | 世 | | 270 | | | | | | İ | | |
| 173 - 174 - 175 - 176 - 177 - 178 - 179 \(\frac{1}{180} \) \(\frac{1}{181} \) \(\frac{1}{182} \) \(\frac{1}{183} \) \(\frac{1}{184} \) \(\frac{1}{185} \) | \Box | | | 21 | | | | | \perp | \perp | | 271 | | _ | | 1 | \perp | \perp | _ | Щ |
| 174 - 175 - 176 - 177 - 178 - 179 \(\frac{1}{180} \) \(\frac{1}{181} \) \(\frac{1}{182} \) \(\frac{1}{183} \) \(185 \) | \dashv | - - | | 222 | + | ├- | +- | \vdash | \dashv | + | - | 272 273 | | _ | + | + | + | + | ╁ | Н |
| 175 - 176 - 177 - 178 - 179 \forall 180 \forall 181 \forall 182 \forall 183 \bigselent 184 \bigselent 185 | $\dashv \dashv$ | $\vdash\vdash$ | 1 — | 24 | - | ++ | + | \vdash | \dashv | +- | \vdash | 274 | | \dashv | + | + | - - | + | + | Н |
| 177 - 178 - 179 \(\square \) 180 \(\square \) 181 \(\square \) 182 \(\square \) 183 \(184 \) 185 | 口 | | 2 | 225 | | | 工 | | | | | 275 | | \Box | | | | | | |
| 178 - 179 \(\square \) 180 \(\square \) 181 \(\square \) 182 \(\square \) 183 184 185 | $\bot\!$ | | 2 | 226 | \perp | \Box | \perp | \square | _ | \square | | 276 | | \dashv | _ | 4 | + | \bot | \vdash | Н |
| 179 \(\frac{1}{180} \) \(\frac{1}{181} \) \(\frac{1}{182} \) \(\frac{1}{183} \) \(184 \) \(185 \) | $\dashv \dashv$ | - - | | 227 228 | +- | ┼┼ | + | H | - | +- | - | 277 278 | | \dashv | + | + | ╁ | + | ╁ | H |
| 180 V 181 V 182 V 183 184 185 | + | $\vdash\vdash$ | | 229 | +- | - | + | - | \dashv | + | \vdash | 279 | | \dashv | + | + | + | T | † | Н |
| 182 √ 183 184 185 | | | 2 | 230 | | | | | | \Box | | 280 | | \Box | | \perp | \perp | L | | 口 |
| 183 184 185 | 47 | $\vdash \vdash$ | | 231 | - | \prod | 1 | \sqcup | - | + | \vdash | 281 | | \perp | + | + | _ | 1 | ┼- | $\vdash \vdash$ |
| 184 185 | | - | | 232 | + | \vdash | +- | $\left \cdot \cdot \right $ | | + | \vdash | 282 283 | | \dashv | + | ╫ | + | ╁ | ╁ | $\vdash\vdash$ |
| 185 | $\dashv \dashv$ | - - | | 234 | + | \vdash | +- | $\vdash \vdash$ | \dashv | + | \vdash | 284 | | \dashv | + | + | \top | T | T | \vdash |
| 1400 | | | 2 | 235 | | | | | | | | 285 | | | | I | | I | L | |
| 186 | | | | 236 | 4 | H | | \Box | \bot | \Box | | 286 | | Ţ | | 1 | | 1 | Ļ | Ш |
| 187 | $\pm \pm$ | | | 237 238 | + | ⊬ | - | \vdash | + | + | - | 287 288 | | \dashv | + | + | + | ╁ | + | \vdash |
| 189 | | | | 239 | + | \vdash | + | \vdash | - | +- | - | 289 | | \dashv | + | 十 | \dashv | + | + | H |
| 190 | | | 2 | 240 | T | \vdash | + | \Box | \dashv | + | | 290 | | | _ | 士 | | T | † | Н |

245

197

200